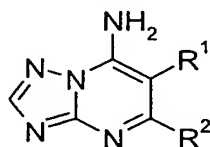


We claim:

1. A triazolopyrimidine of the formula I



I

- 5 in which the substituents are as defined below:

R¹ is C₅-C₉-alkyl, C₄-C₁₁-alkoxymethylene or C₃-C₁₀-alkoxyethylene, where the aliphatic groups may be substituted by 1 to 3 of the following groups:

- 10 cyano, nitro, hydroxyl, C₃-C₆-cycloalkyl, C₁-C₆-alkylthio, C₅-C₁₂-alkynyl and NR^aR^b;

R^a, R^b are hydrogen or C₁-C₆-alkyl;

- 15 R² is n-propyl or n-butyl.

2. The compound of the formula I according to claim 1 in which R¹ is an unsubstituted straight-chain or mono-, di- or tribranched alkyl chain having up to 9 carbon atoms.

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3. The compound of the formula I according to claim 1 or 2 in which R² is n-propyl.

4. The compound of the formula I according to claim 1 or 2 in which R² is n-butyl.

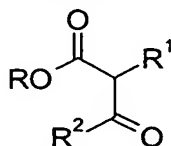
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5. 6-(1-Methylheptyl)-5-propyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine;
6-octyl-5-propyl[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine;
5-butyl-6-(1-methylheptyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine;
5-butyl-6-octyl[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine;
5-propyl-6-(3,5,5-trimethylhexyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine;
30 6-hexyl-5-propyl[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine;
6-heptyl-5-propyl[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine;
5-propyl-6-undecyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine.

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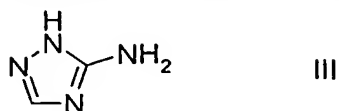
6. A process for preparing compounds of the formula I according to any of claims 1 to 5, wherein β-ketoesters of the formula II,

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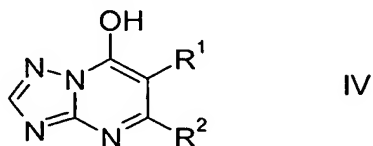


II

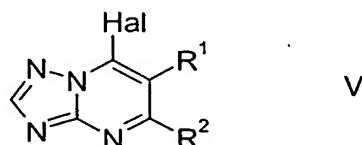
in which R is C₁-C₄-alkyl are reacted with 3-amino-1,2,4-triazole of the formula III



to give 7-hydroxytriazolopyrimidines of the formula IV

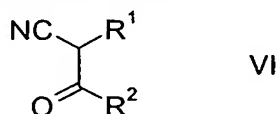


5 which are halogenated to give compounds of the formula V



in which Hal is chlorine or bromine and V is reacted with ammonia.

7. A process for preparing compounds of the formula I according to any of claims 1
10 to 5, wherein acylcyanides of the formula VI,



are reacted with 3-amino-1,2,4-triazole of the formula III as set forth in claim 6.

8. A fungicidal composition comprising a solid or liquid carrier and a compound of
15 the formula I according to any of claims 1 to 5.

9. Seed comprising a compound of the formula I according to any of claims 1 to 5 in
amounts of 1 to 1000 g per 100 kg.

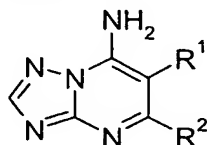
20 10. A method for controlling phytopathogenic harmful fungi wherein the fungi or the
materials, plants, the soil or seed to be protected against fungal attack are
treated with an effective amount of a compound of the formula I according to any
of claims 1 to 5.

5,6-Dialkyl-7-aminotriazolopyrimidines, method for their production, their use for controlling pathogenic fungi, and agents containing said compound

Abstract

5

5,6-Dialkyl-7-aminotriazolopyrimidines of the formula I



in which the substituents are as defined below:

10 R¹ is alkyl, alkoxymethylene or alkoxyethylene, where the aliphatic groups may be substituted as defined in the description;

R² is n-propyl or n-butyl;

15 processes for preparing these compounds, compositions comprising them and their use for controlling phytopathogenic harmful fungi.